

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter. [Use ~~strikethrough~~ for deleted matter (or double square brackets “[[]]” if the strikethrough is not easily perceivable, i.e., “4” or a punctuation mark) and underlined for added matter.]

Claims:

1. – 30. (Canceled)
31. (New) A winding machine for winding up bobbin material arriving from a feeding apparatus, comprising:
 - a winding spindle being designed and arranged to be rotated by a drive; and
 - a unit for determining a signal which is approximately proportional to the tension of the bobbin material, said signal serving to control the drive, said unit including
 - an arm being designed and arranged to be movable to a limited extent, said arm including a bending bar, said bending bar having a nominal bending portion being formed by tapered portions,
 - only one sensor including a plurality of extensometer strips, said extensometer strips being arranged in the nominal bending portion and being designed and arranged to sense deflection of said bending bar, and
 - only one roller being arranged at said arm, said only one roller being designed and arranged to guide the bobbin material to contact the feeding apparatus and said roller without contacting other elements in between.
32. (New) The winding machine of claim 31, wherein said unit further includes a tubular housing including a plurality of adjustable stops and said bending bar is arranged in said tubular housing, said stops being designed and arranged to limit deflection of said bending bar in said tubular housing.

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33. (New) The winding machine of claim 31, further comprising a traversing apparatus.
34. (New) The winding machine of claim 31, wherein said bobbin material is taken from the group consisting of carbon fibers and glass fibers.
35. (New) A winding machine for winding up bobbin material arriving from a plurality of feeding apparatuses, comprising:
- a plurality of winding spindles each being designed and arranged to be rotated by a drive;
 - a plurality of traversing apparatuses each being designed and arranged to cooperate with one of said winding spindles to wind up the bobbin material; and
 - a plurality of units each for determining a signal which is approximately proportional to the tension of the bobbin material, said signals serving to control the drive, each of said units including
 - an arm being designed and arranged to be movable to a limited extent, said arm including a bending bar, said bending bar having a nominal bending portion being formed by tapered portions,
 - only one sensor including a plurality of extensometer strips, said extensometer strips being arranged in the nominal bending portion and being designed and arranged to sense deflection of said bending bar, and
 - only one roller being arranged at said arm, said only one roller being designed and arranged to guide the bobbin material to contact the respective feeding apparatus and said respective roller without contacting other elements in between.
36. (New) The winding machine of claim 35, wherein said plurality of units are arranged in a separate machine unit.
37. (New) The winding machine of claim 35, wherein each of said units further includes a tubular housing including a plurality of adjustable stops and said bending bar is arranged in said tubular housing, said stops being designed and arranged to limit deflection of said bending bar in said tubular housing.

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